

“Connecting foot for orbital movement machines for machining surfaces, in particular orbital sanders, and orbital sanding machine using the said foot”

#### ABSTRACT

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5           The present discovery refers to a connecting foot for a machine  
constituted by a central cylinder of hard plastic material, possibly fitted with  
a hole, coaxial to said central cylinder, and by an external coating of rubber.  
Said rubber also fills the hole forming a rod that connects the two heads of  
the external coating. The external coating of the foot is constituted by a  
10   single piece that completely covers the internal cylinder. An orbital sanding  
machine is also described, comprising a machine body that supports a motor  
for the rotation of a vertical shaft, a rotative-orbital plate connected  
eccentrically to said shaft by means of an eccentric hub in relation to the axis  
of the shaft and elastic connecting feet between the operating plate and the  
15   machine body. Said connecting feet comprise an internal cylinder of hard  
plastic and a rubber coating and in addition a rubber ring is provided for,  
which surrounds the feet group so as to prevent the reaction torques applied  
to the plate from modifying the initial set-up of the plate itself and also  
thanks to a conveyor it creates an area protected from the dust, inside which  
20   the feet are placed.